upstroke.

	~	WHAT IS CLAIMED IS:
l.	Al	1. A pumping system comprising:
~ /	2	a pump barrel that is adapted to be placed into a well casing;
	3	a plunger reciprocatably positioned within the pump barrel, wherein the
	4	plunger has an open top end, a bottom end, and a traveling valve at the bottom end;
	5	a connector coupled to the plynger below the top end; and
	6	a rod coupled to the connector, wherein the rod is translatable to
	7	reciprocate the plunger within the pump barrel using an upstroke and a downstroke, and
	8	wherein the top end of the plunger is adapted to direct particulate into the plunger and
	9	away from the pump barrel upon each upstroke.
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	1	2. A system as in claim 1, wherein the top end of cylinder is inwardly
	2	tapered, and wherein the connector is disposed within the cylinder.
	1	3. A system as in claim 1, wherein the connector has at least one
	2	through hole to permit fluids to be moved upwardly through the connector and the
12	3	plunger upon each downstroke of the plunger.
	1	4. A system/as in claim 1, wherein the pump barrel has a bottom end
	2	· 1
	2	and a standing valve in the bottom end.
•	1	5. A method for pumping fluids from the ground, the method
	2	comprising:
	3	placing a pumping system into the ground, wherein the pumping system
	4	comprises a pump barrel, a plunger reciprocatably positioned within the pump barrel,
	5	wherein the plunger has an open top end, a bottom end, and a traveling valve at the
	6	bottom end, and a connector coupled to the plunger below the top end; and
	7	reciprocating the plunger within the pump barrel with an upstroke and a
	8	downstroke, and directing particulate into the plunger through the open top end and away
	9	from the pump barrel upon each upstroke.
	1	6. A method as in claim 5, wherein the plunger comprises a cylinder
	2	having an inwardly tapered open top end to direct particulate into the cylinder upon each

- 7. A method as in claim 5, wherein the plunger has a traveling valve at the bottom end, wherein the pump barrel has a standing valve at a bottom end such that fluids are drawn into the pump barrel through the standing valve upon each upstroke and are forced through the traveling valve upon each downstroke.
- 8. A method as in claim 5, wherein the connector has a through hole such that fluids passing through the traveling valve move through the through hole and upwardly through the plunger.

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